

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/IB 03/06040

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G02B5/30 G02B1/04 G11B7/00 B29D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G02B G11B B29D G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 395 (P-1260), 7 October 1991 (1991-10-07) & JP 03 157616 A (SEKISUI CHEM CO LTD), 5 July 1991 (1991-07-05) cited in the application abstract	1
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) & JP 07 281165 A (NIPPON SHEET GLASS CO LTD), 27 October 1995 (1995-10-27) abstract	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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- \*&\* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
5 March 2004	16/03/2004
Name and mailing address of the ISA <small>European Patent Office, P.O. Box 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax. 31 651 epo nl, Fax (+31-70) 340-3016</small>	Authorized officer  Gill, R

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 03157616	A 05-07-1991	NONE	
JP 07281165	A 27-10-1995	NONE	